



## Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

### SMALL GRAIN HARVEST PROGRESSES RAPIDLY

Despite scattered showers this past week, significant progress was made in small grain harvest, according to the USDA, NASS, Minnesota Field Office. Barley harvest advanced 44 percentage points from the previous week, and was 75 percent complete. Spring wheat harvest advanced 35 points from the previous week and was 52 percent complete. Oats harvested advanced 26 points from the previous week and was 67 percent complete. As of July 29, 5.5 days were rated suitable for fieldwork during the week.

Average temperatures were 3.1° above normal statewide. Precipitation amounts varied throughout the state, ranging from nearly a quarter of an inch in southwestern areas to over 3 inches at several reporting stations. Topsoil moisture supplies improved, and were rated 18 percent very short, 32 percent short, 47 percent adequate, and 3 percent surplus, compared to 21 percent very short, 35 percent short, 40 percent adequate, and 4 percent surplus the previous week.

Corn was 56 percent at the milk stage or beyond, compared to 18 percent for the five year average, and 11 percent at the dough stage or beyond, compared to 2 percent average. Soybeans were 94 percent blooming, compared to 77 percent average, and 67 percent setting pods, compared to 30 percent average. The corn crop was rated 77 percent in fair to good condition, while soybeans were rated 81 percent in fair to good condition.

Sweet corn, potatoes, and canola were 17, 3, and 1 percent harvested, respectively. Potatoes and canola were rated in primarily good to excellent condition.

Range and pasture condition was rated 15 percent very poor, 21 percent poor, 28 percent fair, 32 percent good, and 4 percent excellent.

#### Days Suitable for Fieldwork: 5.5

	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	18	32	47	3

#### Crop Progress as of July 29, 2012

Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Oats	Harvested	67	41	4	20
Spring Wheat	Harvested	52	17	0	4
Barley	Harvested	75	31	2	10
Corn	Silking	99	94	75	74
Corn	Milk	56	23	12	18
Corn	Dough	11	2	1	2
Soybeans	Height	29	25	23	23
Soybeans	Blooming	94	90	68	77
Soybeans	Setting Pods	67	43	20	30
Sweet Corn	Harvested	17	9	6	8
Potatoes	Harvested	3	1	2	2
Canola	Harvested	1	0	2	1
Dry Beans	Blooming	97	93	63	NA
Dry Beans	Setting Pods	78	53	15	NA
Dry Beans	Fully Podded	15	3	0	NA

#### Condition as of July 29, 2012

	Very Poor	Poor	Fair	Good	Exc
----- Percent -----					
Pasture	15	21	28	32	4
Oats	1	6	25	59	9
Barley	1	4	28	58	9
Spring Wheat	3	5	29	53	10
Sugarbeets	1	2	23	62	12
Sunflowers	0	1	14	69	16
Corn	4	10	30	47	9
Soybeans	3	9	31	50	7
Potatoes	0	1	11	56	32
Canola	0	0	17	57	26
Dry Beans	2	6	27	55	10

The following links provides further weather-related information and maps for Minnesota:

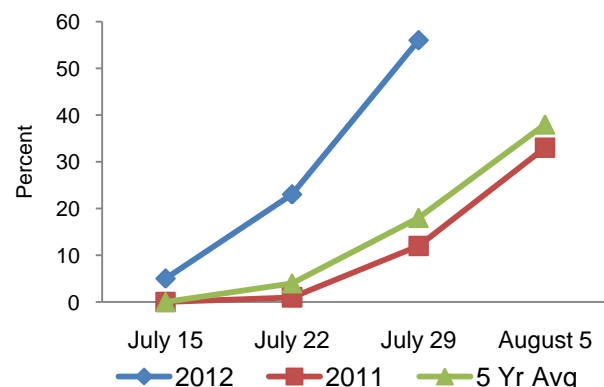
Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:

<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:

<http://www.nws.noaa.gov/view/states.php?state=MN>

#### Corn in Milk Stage or Beyond



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 29, 2012:  
Temperatures averaged from 1.8 degrees above normal in the North Central District to 4.8 degrees above normal in the Southwest District. Extremes: 45 degrees in International Falls; 96 degrees in Marshall, Worthington, and at the Minneapolis Airport. Average precipitation ranged from 0.45 inch below normal in the Southwest District to 1.41 inches above normal in the North Central District. Greatest weekly total of 3.29 inches was recorded in Wadena.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 7/23/2012 through 7/29/2012

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Since 4/1	Since Apr 30	Depart from Norm
<u>NW DIST 1</u>										
Crookston	95	52	72.7	3.0	1.58	.92	-.04	-2.84	1594	300
Itasca	95	55	71.7	4.4	1.20	.42	-1.49m	-1.89m	1173m	60m
Moorhead	92	55	73.4	1.8	2.45	1.89	.36	-1.19	1727	312
Warroad	87	52	68.4	.8	1.79	1.01	2.22	.60	1257	126
<u>NC DIST 2</u>										
Grand Rapids	87	55	70.8	2.1	2.99	2.09	1.48	10.61	1415	206
Intl. Falls	87	45	67.1	1.4	1.48	.72	1.92	.36	1282	239
<u>NE DIST 3</u>										
Duluth	85	57	70.5	3.9	2.24	1.42	-.42	9.93	1349	333
Grand Marais	86	57	68.1	4.8	3.04	2.40	1.42	3.30	916	206
Hibbing	84	47	66.5	1.7	1.02	.11	-.65	5.58	1237	284
<u>WC DIST 4</u>										
Alexandria	88	61	73.6	2.5	1.86	1.12	.36	4.10	1626	262
Breckenridge	93	57	72.6	1.3	1.38	.61	-.74	-.16	1625	225
Browns Valley	95	58	73.6	1.8	.80	.07	-.15	-1.00	1625	213
Canby	M	M	M	M	M	M	-3.03m	-1.21m	1603m	89m
Montevideo	94	60	75.2	3.3	.20	-.56	-3.04	2.30	1746	279
Morris	93	58	73.2	2.5	.39	-.44	-1.60	-1.96	1643	243
Wheaton	94	59	73.8	1.7	2.21	1.57	.43	1.12	1650	209
<u>CENT DIST 5</u>										
Becker	90	59	74.4	2.9	1.17	.23	.06	6.30	1724	275
Collegeville	91	60	74.0	1.2	.42	-.35	-1.03	4.77	1740	225
Hutchinson	92	60	74.4	2.2	1.10	.31	-.65	6.51	1770	270
Melrose	91	57	73.0	2.8	.94	.15	.98	4.62	1630	281
Olivia	91	54	73.6	2.1	1.30	.57	-1.79	.65	1743	273
St. Cloud	90	58	74.7	4.0	.75	.03	.62	4.52	1692	324
Wadena	92	58	71.8	3.7	3.29	2.55	1.99	7.54	1436	240
Willmar	92	59	73.7	1.6	1.19	.38	-2.03	1.16	1692	191
<u>EC DIST 6</u>										
Aitkin	M	M	M	M	M	M	1.00m	13.35m	1274m	101m
Forest Lake	91	59	75.5	3.4	.44	-.51	1.64	7.41	1719	244
MSP Airport	96	64	77.1	2.9	2.26	1.34	1.27	6.83	1906	320
Mora	87	57	73.3	3.7	.32	-.54	1.44	7.95	1557	259
St. Paul - UofM	94	62	77.0	4.9	1.05	.10	.74	4.03	1781	306
<u>SW DIST 7</u>										
Lamberton	94	60	76.5	4.6	.38	-.43	-2.64	1.08	1808	291
Marshall	96	61	77.1	4.3	.19	-.61	-1.77	.39m	1870	342
Pipestone	95	55	75.8	4.0	.36	-.33	-2.61	4.55	1698	255
Redwood Falls	93	61	77.2	4.4	.25	-.53	-2.75	1.79	1857	299
Worthington	96	58	77.0	5.4	.36	-.40	-2.69	-1.55	1776	304
<u>SC DIST 8</u>										
North Mankato	91	60	75.5	3.0	.56	-.36	-2.72	-3.55	1771	249
Owatonna	91	58	75.6	3.5	1.23	.17	-2.03	4.28	1813	316
Waseca	91	57	74.6	2.5	.57	-.43	-1.91	-1.35	1773	236
Winnebago	94	61	77.0	4.5	.49	-.45	-2.36	.47	1848	305
<u>SE DIST 9</u>										
Cannon Falls	M	M	M	M	M	M	-2.75m	11.30m	1302m	-137m
Preston	95	56	75.6	4.3	1.14	.18	-1.87	-5.20	1756	340
Red Wing	92	60	75.6	2.8	.64	-.22	.45	9.22	1820	308
Rochester	92	60	75.0	3.4	1.93	.92	-.85	-1.80	1820	339
Rosemount	93	60	75.2	3.4	2.88	1.86	.18	5.12	1769	302
Winona Dam	94	62	77.4	5.2	1.24	.28	-1.85	-3.06	1801	331

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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